



Press Release

HERRENKNECHT Federal Minister Peter Altmaier visits tunnel boring specialists

September 5, 2018

Schwanau, Germany

Herrenknecht AG welcomes Federal Minister of Economic Affairs and Energy Peter Altmaier at its Schwanau plant. On Tuesday, company founder and Chairman of the Board of Management Dr.-Ing. E.h. Martin Herrenknecht familiarized the Minister with the company and the global project business. Foremost among the issues discussed were the energy transition and challenges faced by the company in the international market.

_____ On Tuesday, September 4, 2018, Federal Minister of Economic Affairs and Energy Peter Altmaier visited Herrenknecht AG in Schwanau and learned about the company, the international project world and individual tunnel boring machines (TBMs) under construction. Challenges in the global market of the tunnelling industry were also discussed. During the subsequent company tour, Chairman of the Board of Management Dr.-Ing. E.h. Martin Herrenknecht introduced the innovative E-Power-Pipe® method, which allows cable protection pipes to be securely and quickly installed for the subsequent installation of high-voltage power lines.

Herrenknecht is the world leader in mechanized tunnelling technology. With E-Power-Pipe®, the company has developed a new method to quickly and securely install small-diameter cable protection pipes underground with drive lengths of over a kilometer – previously there was no technical solution for this combination of requirements. The trenchless technology can be precisely controlled and used with only small overburdens. It thus offers a ground-conserving alternative to the conventional open-cut method for high-voltage grid expansion. This reduces subsequent renaturation measures along the route of the underground power line and can thus contribute to greater acceptance by the population.

In the spring of 2017, together with Amprion GmbH, a leading transmission grid operator in Europe, and RWTH Aachen, Herrenknecht demonstrated the performance of E-Power-Pipe® with a successful pilot project in Borken (North Rhine-Westphalia). The development of the method was funded by the Federal Ministry of Economic

Herrenknecht AG
Schlehenweg 2
77963 Schwanau
Germany

Corporate Communications
Phone +49 7824 302-5400
pr@herrenknecht.de

www.herrenknecht.com



Affairs and Energy (BMW research project IBoTec) and carried out by Herrenknecht in cooperation with Amprion GmbH and RWTH Aachen.

The family business from Schwanau benefits from the experience of more than 4,100 projects worldwide. In addition to reference projects for supply and disposal lines of all kinds (Utility Tunnelling), this includes challenging tunnel projects in Europe, such as the Follo Line railway tunnel, where four high-speed tunnel boring machines are working their way through the hardest Norwegian gneiss. Herrenknecht TBMs are also involved in the infrastructure expansion of the French capital, the Grand Paris Express, which will create more than 200 kilometers of new metro lines. The Brenner Base Tunnel is currently under construction to develop the world's longest underground railway connection. However, tunnel boring machines from the medium-sized family business are also underway in major tunnelling projects in Australia, the USA and China.

Peter Altmaier said during his visit: "Around the world, Herrenknecht AG's technical achievements are impressive. Time and again, the company manages to push the boundaries of what is feasible in tunnelling and also to develop innovative solutions in related business areas. As Federal Minister of Economic Affairs, I am committed to ensuring that in our country such successes remain possible in the future too."

Herrenknecht's know-how is in particular demand for projects with very sophisticated technological requirements. "Given the current isolationist tendencies of many countries and political uncertainties, the global situation is becoming increasingly complex. In China, for example, we have to compete with state-sponsored players in the industry," explains Dr.-Ing. E.h. Martin Herrenknecht with regard to the challenging market situation. "Thanks to our comprehensive technology and service portfolio and global presence, however, we are also well prepared for the future." The world's growing population, ongoing urbanization and increasing connectivity are creating constant high demand for infrastructure projects – including efficient metro and high-speed rail networks and transport systems as well as sewage, water, oil, gas and energy systems.

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Photos

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Photo 1

On September 4, 2018 during a visit to Herrenknecht AG's Schwanau plant, Peter Altmaier learned about the company and the global project business of the world market leader in mechanized tunnelling technology.



Photo 2

Tunnel boring machines from Herrenknecht are used worldwide for supply and disposal lines of all kinds, as well as for challenging tunnel projects. Martin Herrenknecht and Peter Altmaier also exchanged views on challenges in the market worldwide.



Photo 3

During the plant tour, Chairman of the Board of Management Martin Herrenknecht introduced the innovative E-Power-Pipe® method, which allows cable protection pipes for the subsequent installation of high-voltage power lines to be installed securely and quickly.



Photo 4

In addition to the Board of Management of Herrenknecht AG, Wolfgang Brucker (Mayor of Schwanau, 5th from left), Dr. Johannes Fechner (member of the Bundestag, SPD, 3rd from right) and Marion Gentges (member of parliament, CDU) were present. In Virginia, USA, the EPB Shield in the background will create an almost two kilometer long highway tunnel connecting Chesapeake Bay to the mainland.

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For further information: Please contact us.

Herrenknecht AG

Herrenknecht AG is the only company worldwide to deliver tunnel boring machines for all geologies and in all diameters – ranging from 0.10 to 19 meters. The product range comprises tailor-made machines for traffic, supply and disposal tunnels, technologies for routing of pipe lines, as well as additional equipment and service packages. Herrenknecht also manufactures drilling equipment for vertical and inclined shafts as well as deep drilling rigs.

The Herrenknecht Group achieved a total output of 1,208 million euros in 2017. The independent family business employs over 5,000 people worldwide, including 180 trainees. With 76 domestic and overseas subsidiaries and associated companies working in related fields, Herrenknecht provides comprehensive fast and targeted services close to each project and customer.

› <http://www.herrenknecht.com/en/references>

Your contact:

Achim Kühn

Head of Group Marketing and Corporate Communications

Phone +49 7824 302 -5400

Fax +49 (0)7824 302-4730

pr@herrenknecht.de

Herrenknecht AG
Schlehenweg 2
77963 Schwanau
Germany

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